

STATEWIDE CRITICAL REQUIREMENT LIST – FISCAL YEAR 2012/2013
Quality Assessment Category Number 5
Drainage

1. The CEI staff is aware of and assuring that the Contractor's QC Proctor density test results are within 4.5 PCF of the CEI staff's verification test. CEI staff does this by documenting out of tolerance test locations in the project's daily work reports and assuring that additional soil samples in those areas are collected and run for resolution testing. A review of the earthwork records system and a field visit verifies CEI staff monitoring is effective. [Spec. 125-9, 125-10]
2. The CEI staff is aware of and assuring that the Contractor observes the requirements for backfilling box culverts over which pavement is to be constructed. Assuring that the Contractor compacts around the structure to an elevation not less than 12" above top of the structure and compacts to a density not less than 100% of maximum density as determined by AASHTO T99 method C. A review of the earthwork records system documents the work effort and a field visit verifies CEI staff monitoring is effective. [Spec. 125-8 and 125-9]
3. The CEI staff is aware of and assuring that the Contractor observes the requirement that Pipe joints are wrapped with filter fabric as required. Project records document any infractions. A review of project records and a field visit verifies CEI monitoring is effective. [Spec. 449-.4 and index 280]
4. The CEI staff is aware of and assuring that the Contractor observes the specification requirement that after completing paving operations the contractor dewateres and provides the Engineer a video recording schedule. For pipes less than 48" in diameter provides the Engineer a video DVD and video equipment with laser profile technology and non-contact Video Micrometer with associated software to the CEI staff to view as part of the final inspection of that pipe. [Spec. 430-4.8]